



STIC Search Report

EIC 2800

STIC Database Tracking Number: 96278

**TO: Ed Glick
Location: CP4- 6E12
Art Unit : 2800
Tuesday, June 10, 2003**

Case Serial Number: 09/986011

**From: Darcy Bates
Location: EIC 2800
CP4-9C18
Phone: 306-5419**

darcy.bates@uspto.gov

Search Notes

Re: 09/986,011 US 5,982,407

Attached are search results.

**No U. S. litigation was found in searches of
Lexis-Nexis and Questel-Orbit databases.**

**If more searching or explanation is needed, please let
me know.**

**Thanks,
Darcy Bates**

Source: [Legal](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility Patents](#) ⓘ

Terms: **patno=5982407** ([Edit Search](#))

763721 (08) 5982407 November 9, 1999

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT
5982407

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November 9, 1999

Color printer

REISSUE: Reissue Application filed Nov. 7, 2001 (O.G. Mar. 5, 2002) Ex. Gp.: 2861; Re. S.N. 09/986,011, (O.G. March 5, 2002)

INVENTOR: Enomoto, Jun, Kanagawa, JP; Nakamura, Hiroaki, Kanagawa, JP

APPL-NO: 763721 (08)

FILED-DATE: December 11, 1996

GRANTED-DATE: November 9, 1999

PRIORITY: December 13, 1995 - 7-324657, Japan (JP)

ASSIGNEE-AT-ISSUE: Fuji Photo Film Co., Ltd., Kanagawa, JP

ASSIGNEE-AFTER-ISSUE: December 11, 1996 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., FUJI PHOTO FILM CO., LTD. NO 210 NAKANUMA, MINAMI-ASHIGARA-SHI KANAGAWA JAPAN, Reel and Frame Number: 008353/0667

LEGAL-REP: Sughrue, Mion, Zinn, Macpeak & Seas, PLLC

PUB-TYPE: November 9, 1999 - Utility Patent having no previously published pre-grant publication (A)

PUB-COUNTRY: United States (US)

US-MAIN-CL: 347#239

US-ADDL-CL: 347#252

CL: 347

SEARCH-FLD: 347#239, 347#238, 347#252, 347#232

IPC-MAIN-CL: B 41J002#47

PRIM-EXMR: Le, N.

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patno=5982407

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Selected file: PLUSPAT

Search statement 1

Query/Command : us5982407/pn

** SS 1: Results 1

Search statement 2

Query/Command : prt fu legalall max

1 / 1 PLUSPAT - @QUESTEL-ORBIT
PN - US5982407 A 19991109 [US5982407]
TI - (A) Color printer
PA - (A) FUJI PHOTO FILM CO LTD (JP)
PAO - Fuji Photo Film Company, Ltd., Kanagawa [JP]
IN - (A) ENOMOTO JUN (JP); NAKAMURA HIROAKI (JP)
AP - US76372196 19961211 [1996US-0763721]
PR - JP32465795 19951213 [1995JP-0324657]
IC - (A) B41J-002/47
EC - B41J-002/465
B41J-002/47B
B41J-002/52
H04N-001/50C
PCL - ORIGINAL (O) : 347239000; CROSS-REFERENCE (X) : 347252000
DT - Basic
CT - US5028939; US5296958; US5337074; US5657071
N. Nishida: "Micro machines and optical techniques (2), Digital micromirror devices (DMD) and their applications to displays", O plus (a magazine), Oct. 1994, No. 179, pp. 90-94.

G. Foley et al.: "S7-6 Recent Advances in Actuated Mirror Array (AMA) Projector Development"; Aura Syss., Inc. El Segundo, USA. Daewoo Elect., Seoul, Korea, 1995.

"Mirrors on a Chip"; IEEE Spectrum, Nov. 1993; pp. 27-31.

"Digital Micromirror Device Imaging Bar for Hardcopy"; Nelson et al.; Digital Imaging Venture Project Texas Instruments Inc., P.O. Box 655474. M/S 440, Dallas, Texas 75265-5474; SPIE vol. 2413; pp. 58-65, Feb. 1995.

"Micromirrors and Digital Processing"; Photonics Spectra; May 1995; pp. 118-124.
STG - (A) United States patent
AB - A color printer is equipped with a digital micromirror device having at least one micromirror array constituted of a number of micromirrors. Each micromirror changes its tilt angle in accordance with a value of mirror drive data of one bit. As the mirror drive data takes a value "1", the micromirror reflects spot light toward color paper, whereas as the mirror drive data takes

a value "0", it reflects spot light toward a light absorption plate. During red exposure, red light from a red LED unit is incident upon the digital micromirror device which is then driven by red mirror drive data to expose a red image on the color paper. Next, during radiation of a green LED unit, the digital micromirror device is driven by green mirror drive data to expose a green image on the color paper. Lastly, a blue image is exposed on the color paper by using a blue LED unit. A full-color image is therefore printed on the color paper through three-color line- or frame-sequential exposure.

1 / 1 LGST - @LEGSTAT
 PN - US 5982407 [US5982407]
 AP - US 763721/96 19961211 [1996US-0763721]
 DT - US-P
 ACT - 19961211 US/AE-A
 APPLICATION DATA (PATENT)
 US 763721/96 19961211 [1996US-0763721]

19991109 US/A
 PATENT

20020305 US/RF
 REISSUE APPLICATION FILED
 20011107

UP - 2002-10

1 / 1 CRXX - @CLAIMS/RRX
 AN - 3233397
 PN - 5,982,407 A 19991109 [US5982407]
 PA - Fuji Photo Film Co Ltd JP
 PT - E (Electrical)
 ACT - 20011107 REISSUE REQUESTED
 ISSUE DATE OF O.G.: 20020305
 REISSUE REQUEST NUMBER: 09/986011
 EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2861

Reissue Patent Number:

UP - 2002-10
 UACT- 2002-03-05

Query/Command : fam us5982407/pn

1 Patent Groups
 ** SS 2: Results 2
 Search statement 3

Query/Command : famstate nonstop

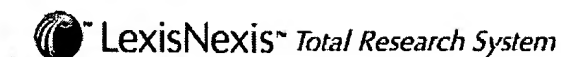
1 / 2 PLUSPAT - @QUESTEL-ORBIT - image
PN - JP9164727 A 19970624 [JP09164727]
STG - (A) Doc. Laid open to publ. Inspec.
TI - (A) COLOR PRINTER
PA - (A) FUJI PHOTO FILM CO LTD
PAO - (A) FUJI PHOTO FILM CO LTD
IN - (A) ENOMOTO ATSUSHI; NAKAMURA HIROAKI
IC - (A) B41J-002/525 G02B-026/08 G03B-027/32
AP - JP32465795 19951213 [1995JP-0324657]
PR - JP32465795 19951213 [1995JP-0324657]

2 / 2 PLUSPAT - @QUESTEL-ORBIT
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DT - Basic

1 / 1 LEGALI - @LEGSTAT
PN - US 5982407 [US5982407]
AP - US 763721/96 19961211 [1996US-0763721]
DT - US-P
ACTE- 19961211 US/AE-A
APPLICATION DATA (PATENT)
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